

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT STATIONARY SOURCE COMPLIANCE DIVISION PERMIT APPLICATION PROCESSING AND CALCULATIONS	PAGES	PAGE 1
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Applicant

Waste Management Recycling and Disposal Services of Southern California
9081 Tujunga Avenue, 2nd Floor
Sun Valley, CA 91352

Equipment Location

Bradley landfill
9227 Tujunga Avenue
Sun Valley, CA

Equipment Description

TITLE V PERMIT REVISION

History

A/N's 501975 thru 501979
Resource Recovery Systems

The Bradley landfill is a closed Class III landfill. The gas generated by the landfill is presently collected and partially flared. The applicant uses some of the gas to fuel five engines which drive generators to produce electricity. The total landfill gas flow rate to the three flares is 9722 scfm (#1 is 5556scfm, #2 is 2083 scfm and #3 is 2083 scfm). Approximately 2500 scfm is used as fuel for the engines. The facility is a Title V facility. These applications were submitted to install a 2500 scfm compressor, common to all five engines and to place the individual 600 scfm compressors as standby.

Process Description

The landfill gas, which is collected at this facility, is used to fuel five internal combustion engines and drive electrical generators in the production of electricity. A portion of the landfill gas, which is collected by the existing collection system, is diverted to the internal combustion engines. Initially, each engine was fueled with a 600 scfm landfill gas compressor. A common 2500 scfm compressor will be installed to fuel all five engines. The individual 600 scfm compressors will operate in the standby mode. Each engine/generator produces 1.3 MW of power. As the landfill gas generation rate decreases and there is insufficient landfill gas to make the project viable to operate, the landfill gas to energy systems will be removed.

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Calculations

See individual applications. There is no emission increase from this modification.

Evaluation

A Title V permit was issued to this facility in March 27, 2007. This modification is considered a “minor” permit revision which does not require a public notice but does require a 45 day EPA notice.

Conclusions and Recommendation

Recommend issuing a revised TV Permit after a 45 day EPA notice.